

**Proposed Changes to
San Juan River Basin Sedimentation/Siltation (Stream
Bottom Deposit) and
Mora River (USGS Gage East of Shoemaker to HWY 434)
Nutrient/Eutrophication Biological Indictors
Entries on the
2004 State of New Mexico Integrated List**

September 14, 2004

Mora River (USGS gage east of Shoemaker to HWY 434)**Mora**

Assessment Unit ID:	Size (mi or ac):	WQS reference:	Monitoring Schedule:	Assessed Date:	IR Category:
NM-2305.3.A_00	52.4	20.6.4.307	2006	1/1/2003	5/5C

Use Information:**Designated Use (s):****Attainment:**

Irrigation	Fully Supporting
Livestock Watering	Fully Supporting
Marginal Coldwater Fishery	Not Supporting
Secondary Contact	Fully Supporting
Warmwater Fishery	Fully Supporting
Wildlife Habitat	Fully Supporting

Assessment Information:**Probable Causes of Impairment:****TMDL Schedule:**

Nutrient/Eutrophication Biological Indicators	2005
Oxygen, Dissolved	2008

Probable Sources of Impairment:

Flow Alterations from Water Diversions
Municipal Point Source Discharges
On-site Treatment Systems (Septic Systems and
Similar Decentralized Systems)

Assessment Unit Comments:

Draft sonde data protocol indicates impairment; grab data does not. Additional nutrient impairment indicator data will be collected to confirm listing and develop TMDL.

San Juan River (Animas River to Cañon Largo)**Upper San Juan**

Assessment Unit ID:	Size (mi or ac):	WQS reference:	Monitoring Schedule:	Assessed Date:	IR Category:
NM-2401_00	21.44	20.6.4.401	2010	1/1/2004	5/5A

Use Information:**Designated Use (s):****Attainment:**

Industrial Water Supply	Fully Supporting
Irrigation	Fully Supporting
Livestock Watering	Fully Supporting
Marginal Coldwater Fishery	Not Supporting
Municipal Water Supply	Fully Supporting
Secondary Contact	Not Supporting
Warmwater Fishery	Fully Supporting
Wildlife Habitat	Fully Supporting

Assessment Information:**Probable Causes of Impairment:****TMDL Schedule:**

Fecal Coliform	2004
Mercury in Fish Tissue	2017
Sedimentation/Siltation	2004
Water Bioassays -- Acute Toxicity -- Freshwater	

Probable Sources of Impairment:

Crop Production (Crop Land or Dry Land)
Drought-related Impacts
Flow Alterations from Water Diversions
Loss of Riparian Habitat
Municipal Point Source Discharges
On-site Treatment Systems (Septic Systems and
Similar Decentralized Systems)
Rangeland Grazing

Assessment Unit Comments:

Regarding the bioassay-toxicity listings, TMDLs cannot be written based on toxicity data until the specific cause of the toxicity is determined

San Juan River (Cañon Largo to Navajo Reservoir)

Upper San Juan

Assessment Unit ID:	Size (mi or ac):	WQS reference:	Monitoring Schedule:	Assessed Date:	IR Category:
NM-2405_10	19.53	20.6.4.405	2010	1/1/2004	5/5A

Use Information:

Designated Use (s):

High Quality Coldwater Fishery
Industrial Water Supply
Irrigation
Livestock Watering
Municipal Water Supply
Secondary Contact
Wildlife Habitat

Attainment:

Not Supporting
Fully Supporting
Fully Supporting
Fully Supporting
Fully Supporting
Fully Supporting
Fully Supporting

Assessment Information:

Probable Causes of Impairment:

Mercury in Fish Tissue

TMDL Schedule:

2017

Probable Sources of Impairment:

Atmospheric Deposition - Toxics
Source Unknown

Assessment Unit Comments:

The fish consumption guideline for Mercury in Fish Tissue is for the portion downstream of the Hammond Diversion.

HUC: 14080104**Animas**

Animas River (Estes Arroyo to CO border)**Animas**

Assessment Unit ID:	Size (mi or ac):	WQS reference:	Monitoring Schedule:	Assessed Date:	IR Category:
NM-2404_00	19.6	20.6.4.404	2010	1/1/2004	5/5A

Use Information:**Designated Use (s):**

Coldwater Fishery
Industrial Water Supply
Irrigation
Livestock Watering
Municipal Water Supply
Secondary Contact
Wildlife Habitat

Attainment:

Not Supporting
Fully Supporting
Fully Supporting
Fully Supporting
Fully Supporting
Fully Supporting
Fully Supporting

Assessment Information:**Probable Causes of Impairment:**

Temperature, water

TMDL Schedule:

2004

Probable Sources of Impairment:

Channelization
Drought-related Impacts
Irrigated Crop Production
Loss of Riparian Habitat
Municipal (Urbanized High Density Area)
Rangeland Grazing
Streambank Modifications/destablization

Assessment Unit Comments:

Animas River (San Juan River to Estes Arroyo)**Animas**

Assessment Unit ID:	Size (mi or ac):	WQS reference:	Monitoring Schedule:	Assessed Date:	IR Category:
NM-2403.A_00	16.92	20.6.4.403	2010	1/1/2004	5/5A

Use Information:**Designated Use (s):****Attainment:**

Industrial Water Supply	Fully Supporting
Irrigation	Fully Supporting
Livestock Watering	Fully Supporting
Marginal Coldwater Fishery	Not Supporting
Municipal Water Supply	Fully Supporting
Secondary Contact	Not Supporting
Warmwater Fishery	Not Supporting
Wildlife Habitat	Fully Supporting

Assessment Information:**Probable Causes of Impairment:****TMDL Schedule:**

Fecal Coliform	2004
Nutrient/Eutrophication Biological Indicators	2004
Sediment Bioassays -- Acute Toxicity -- Freshwater	

Probable Sources of Impairment:

Drought-related Impacts
Flow Alterations from Water Diversions
Municipal (Urbanized High Density Area)
Municipal Point Source Discharges
On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)
Source Unknown
Streambank Modifications/destablization

Assessment Unit Comments:

There was a 0% exceedence rate of the proposed E.coli single sample criterion of 410/100mL. Regarding the bioassay-toxicity listings, TMDLs cannot be written based on toxicity data until the specific cause of the toxicity is determined.

La Plata River (McDermott Arroyo to CO border)**Middle San Juan**

Assessment Unit ID:	Size (mi or ac):	WQS reference:	Monitoring Schedule:	Assessed Date:	IR Category:
NM-2402.A_01	6	20.6.4.402			5/5A

Use Information:**Designated Use (s):****Attainment:**

Irrigation	Fully Supporting
Limited Warmwater Fishery	Not Supporting
Livestock Watering	Fully Supporting
Marginal Coldwater Fishery	Not Supporting
Secondary Contact	Not Supporting
Wildlife Habitat	Fully Supporting

Assessment Information:**Probable Causes of Impairment:****TMDL Schedule:**

Benthic-Macroinvertebrate Bioassessments (Streams)	
Fecal Coliform	2004
Oxygen, Dissolved	2004

Probable Sources of Impairment:

Animal Feeding Operations (NPS)
Drought-related Impacts
Flow Alterations from Water Diversions
Loss of Riparian Habitat
On-site Treatment Systems (Septic Systems and
Similar Decentralized Systems)
Rangeland Grazing
Streambank Modifications/destabilization

Assessment Unit Comments:

La Plata River (San Juan River to McDermott Arroyo)**Middle San Juan**

Assessment Unit ID:	Size (mi or ac):	WQS reference:	Monitoring Schedule:	Assessed Date:	IR Category:
NM-2402.A_00	25.33	20.6.4.402	2010	1/1/2004	5/5A

Use Information:**Designated Use (s):****Attainment:**

Irrigation	Fully Supporting
Limited Warmwater Fishery	Not Supporting
Livestock Watering	Fully Supporting
Marginal Coldwater Fishery	Not Supporting
Secondary Contact	Not Supporting
Wildlife Habitat	Fully Supporting

Assessment Information:**Probable Causes of Impairment:****TMDL Schedule:**

Fecal Coliform	2004
Oxygen, Dissolved	2004
Sedimentation/Siltation	2004

Probable Sources of Impairment:

Animal Feeding Operations (NPS)
Drought-related Impacts
Flow Alterations from Water Diversions
Loss of Riparian Habitat
On-site Treatment Systems (Septic Systems and
Similar Decentralized Systems)
Rangeland Grazing
Streambank Modifications/destabilization

Assessment Unit Comments:

This AU may not be perennial throughout. There were conflicting results between the sonde data (using percentage) and grab data.

San Juan River (Navajo bnd at Hogback to Animas River)**Middle San Juan**

Assessment Unit ID:	Size (mi or ac):	WQS reference:	Monitoring Schedule:	Assessed Date:	IR Category:
NM-2401_10	32.27	20.6.4.401	2010	1/1/2004	5/5A

Use Information:**Designated Use (s):****Attainment:**

Industrial Water Supply	Fully Supporting
Irrigation	Fully Supporting
Livestock Watering	Fully Supporting
Marginal Coldwater Fishery	Not Supporting
Municipal Water Supply	Fully Supporting
Secondary Contact	Not Supporting
Warmwater Fishery	Not Supporting
Wildlife Habitat	Fully Supporting

Assessment Information:**Probable Causes of Impairment:****TMDL Schedule:**

Fecal Coliform	2004
Mercury in Fish Tissue	2017

Probable Sources of Impairment:

Atmospheric Depositon - Toxics
Drought-related Impacts
Municipal Point Source Discharges
On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)
Rangeland Grazing
Source Unknown

Assessment Unit Comments:

Marginal CWF may not be an appropriate use since the goal of the San Juan River Implementation Plan study and proposed change in Navajo Dam operations is to protect and improve habitat for warmwater fish in this reach.

Shumway Arroyo (San Juan River to Ute Mtn Ute bnd)**Middle San Juan**

Assessment Unit ID:	Size (mi or ac):	WQS reference:	Monitoring Schedule:	Assessed Date:	IR Category:
NM-9000.A_021	13.2	unclassified	2010	1/1/2000	1

Use Information:**Designated Use (s):****Attainment:**

Livestock Watering	Fully Supporting
Wildlife Habitat	Fully Supporting

Assessment Information:**Assessment Unit Comments:**